<u>LISTING OF THE CLAIMS</u>:

Please amend the claims by canceling claims 2-63, without prejudice, as indicated on the following listing of all the claims in the present application after this Amendment:

1.(Original) A method of sensing the data content of a non-volatile memory, comprising:

biasing a storage element of the non-volatile memory according to a set of operating parameters and target criteria;

determining the value of a parameter indicative of the state of said storage element a plurality of times with the storage element biased according to said set of operating parameters and target criteria; and

determining the data content of said storage element by forming a composite of said plurality of values of said parameter.

(Claims 2-63 have been cancelled.)